

Technical Data Sheet

Product Name	
Full Product Name	Series 200 - Equipment Enamel
Type of Product	1K fast drying alkyd enamel
Description	Concept 200 Series Equipment Enamel, offering a large range of colour formulations, is a fast drying equipment enamel that produces a high gloss paint film. It is characterised by excellent adhesion to most surfaces and provides very good metal protection.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
212 White	47.0	59.9	1.124	9.38	450.4	3.76
213 Yellow Ochre	49.3	59.2	1.074	8.96	438.0	3.66
214 Tinting Black	47.9	53.6	0.959	8.00	444.9	3.71
215 Red Blue	50.2	55.0	0.994	8.30	447.4	3.73
216 Mid Blue	48.4	54.2	0.975	8.14	447.0	3.73
217 Violet	46.6	52.1	0.962	8.03	461.0	3.85
219 Bright Red	47.3	53.0	0.970	8.10	456.4	3.81
220 Maroon	46.9	52.7	0.960	8.01	454.1	3.79
221 Lemon Yellow	41.1	47.1	0.954	7.96	504.3	4.21
222 Mid Yellow	41.4	48.2	0.990	8.26	506.8	4.23
223 Moly Orange	41.5	47.4	0.946	7.89	496.9	4.15
224 Green	50.6	56.0	1.002	8.36	441.0	3.68
225 Matting Agent	35.9	43.2	1.094	9.13	621.5	5.19
226 Silver	43.5	50.3	0.960	8.01	476.6	3.98
227 Red Oxide	45.7	53.1	0.987	8.24	463.3	3.87
230 Drier	0.5	0.8	0.832	6.94	825.6	6.89
Universal Enamel Hardener	46.4	53.1	1.020	8.52	475.8	3.97
804 Enamel Thinner	0.0	0.0	0.802	6.69	0.802	6.69

Properties

- Superior performance
- High gloss
- Quick and easy application

Substrates

- Concept 109 Enamel Primer
- Concept 113 ZP Primer and 116 ZP Primer (HB)
- Concept 103 Etch Primer
- Concept 110 Metal Etch
- Concept 111 Universal Primer
- Substrates in sound condition previously painted with enamel coating

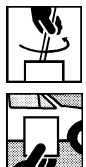
Substrate Preparation



All substrates

- All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application.
- Use white or light coloured primers under bright yellows, oranges and reds, if required.











Product Preparation



- Weigh the concentrates into the required base in accordance with the relevant colour formula
- Stir or shake for 10 minutes, minimum.
- Never leave the mixture stand for more than 30 minutes before mixing.

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Product Preparation cont

 Matting (if required)	Satin Finish: Add 30% of 225 Matting Agent. Matt Finish: Add 45% of 225 Matting Agent. Notes: <ul style="list-style-type: none"> • Never add more than 50% of 225 Matting Agent. • 225 Matting Agent must be added before adding a hardener or thinner. • The addition of 225 Matting Agent will reduce coverage. 			
 Mixing Ratio 16:1 (by volume) Note: This step is optional	Concept Series 200 Equipment Enamel		Concept 302 Enamel Hardener	
	16 parts		1 part	
 Reducer	Up to 20% (v/v) Concept 804 Enamel Thinner, if required. 5-10% Concept Retarder Thinner, if required (to minimize blooming)			
 Pot life @ 25°C (77°F)	N/A (3-4 hours if 302 Enamel Hardener is added)			
 Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	16-19 s 14-17 s		
Spray equipment   	Gun type	Fluid tip	Spray pressure	Spray Distance
	Gravity Feed	1.5-2.0 mm 0.059-0.079"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	Suction feed	1.5-2.0 mm 0.059-0.079"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	Airless, Air Assisted, Electrostatic	Consult the manufacturer's instructions.		
 Number of coats	2 - 3		Apply one light coat followed by one even full coat. Avoid heavy wet coats	
 DFT Recommended	40-50 µm 1.6-2.0 mils			

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	Flash off time @ 25°C (77°F)	5 min between coats	
	Drying	Air Dry @ 25°C (77°F)	4-5 hours

This data relates only to the material designated herein and does not apply to use in combination with any other material or any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use.

Remarks

	Stir all products thoroughly each time before use. Stir the mixture well after the weigh-out of the components.
	Before application a colour comparison is recommended
	Surface temperature must always be a minimum of 3°C (5°F) above dew point.

Equipment Cleaning

Use recommended Concept Paints Gunwash

Dry Film Properties

After 7 days drying,
when compared to similar technology products.

Gloss	High
Adhesion	Excellent
Metal Protection	Very good

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Product Data

Theoretical Coverage	Approx. 6.0 m ² /L (245 ft ² /US gal) @ recommended DFT
Shelf Life	36 months in an unopened container at room temperature away from sunlight.

Product Packaging

Product Code 1	Product Code 2	Product Name	Package Size
G1C/2xxQD	20002xx	Series 200 Tinters	4L, 20L
G1C/225QD	2000225	225 Matting Agent	4L, 20L
G1C/230QD	2000230	230 Drier	4L, 20L
A04C/UNIEH	2959200	302 Enamel Hardener	250mL, 500mL
A08C/ENA	8049200	804 Enamel Thinner	1L, 4L, 20L, 60L

Safety

For automotive and industrial use only by professional painters. Not recommended for sale to, or use by the general public. Before using, read and follow all label and Safety Data Sheet (SDS) precautions. If mixed with other components, the mixture will have hazards of all individual components.

Read and understand the Guidelines for the Safe Handling and Use of Isocyanate Containing Paints, including the use of approved respiratory protection and Personal Protective Equipment. Use only in a well-ventilated approved spray booth, according to local regulations.

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This Technical Data Sheet supersedes all previous issues.

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